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(54) Title: CONSTRAINED DOCUMENT SERVER

(57) Abstract: A constraint document server, comprising a database of documents and constraints for each document, and software to search the document, to extract pieces of texts out of them, and to limit the amount of text that is being extracted according to the constraints. The software includes a *searcher* component, which searches the documents and identifies potential matching documents, and *extractor/filter* component, which extract text from the potential matching documents, and checks that the extracted text does not exceed the constraints.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/30

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MALAMATENIOU F ET AL: "A search engine for virtual patient records" INTERNATIONAL JOURNAL OF MEDICAL INFORMATICS, ELSEVIER SCIENTIFIC PUBLISHERS, SHANNON, IR, vol. 55, no. 2, August 1999 (1999-08), pages 103-115, XP004262430 ISSN: 1386-5056 A page 105, left-hand column, line 10 -page 106, right-hand column, line 19 page 108, left-hand column, line 6 -page 109, right-hand column, line 5 ----	1
A	-/-	2-5

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DANIEL R JR ET AL: "A metadata architecture for digital libraries" RESEARCH AND TECHNOLOGY ADVANCES IN DIGITAL LIBRARIES, 1998. ADL 98. PROCEEDINGS. IEEE INTERNATIONAL FORUM ON SANTA BARBARA, CA, USA 22-24 APRIL 1998, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US,</p> <p>22 April 1998 (1998-04-22), pages 276-288, XP010276885</p> <p>ISBN: 0-8186-8464-X</p> <p>page 277, right-hand column, line 29 -page 278, left-hand column, line 31</p> <p>page 282, left-hand column, line 14 -page 282, right-hand column, line 9</p> <p>page 285, right-hand column, line 10 -page 286, left-hand column, line 43</p> <p>----</p>	1-5
A	<p>EP 0 398 645 A (IBM)</p> <p>22 November 1990 (1990-11-22)</p> <p>abstract</p> <p>column 2, line 29 -column 2, line 41</p> <p>column 3, line 26 -column 3, line 46</p> <p>column 8, line 29 -column 8, line 55</p> <p>----</p>	1-5
A	<p>"ACCESS CONTROL OF MULTIMEDIA OBJECTS VIA ENCRYPTION"</p> <p>IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US,</p> <p>vol. 37, no. 2A,</p> <p>1 February 1994 (1994-02-01), pages 287-288, XP000432651</p> <p>ISSN: 0018-8689</p> <p>page 287, line 11 -page 287, line 22</p> <p>-----</p>	1-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 0398645	A 22-11-1990	DE	69031191 D1	11-09-1997
		DE	69031191 T2	12-02-1998
		EP	0398645 A2	22-11-1990
		JP	2106025 C	06-11-1996
		JP	3006640 A	14-01-1991
		JP	8007709 B	29-01-1996
		US	5335346 A	02-08-1994